HP 41 System Demo

tape Content:

Autostart	NAME	TYPE	REGS
	—→ AUTOST	WA,S,A	336
Master	GPIO	PR.S.A	148
ARAA TAM	INI	PR,S,A	181
Master program.	DISP	PR.S.A	189
	KEYS	PR.S.A	175
	HPILPR	PR,S,A	179
	PRDTA	DA,S	31
	PLOT	PR.S	16
	TINER	PR.S.A	89
	CHRONO	PR.S	129
	RLARM	PR.S.A	96
	XFUNC	PR,S	91
	SN	PR.S.A	125
	CASSET	PR,S,A	79
	VIDEO	PR,S,A	171
	DMM	PR,S,A	78
	BCDEPR	PR.S.A	69
	PRNT80	PR.S.A	71
	PLTR	PR,S	116
	GPIOX	PR,S,A	175
	91 1011		

HP-41 SYSTEM DEMO

IF TIME AND DATE ARE PROPERLY SET, ANSWER N TO THE NEXT QUESTION, THEN PRESS R/S.

INITL? Y/N
N RUN

PRESS THE TOP ROW OF KEYS TO SELECT DESIRED DENO.

THE ABBREVIATIONS IN THE HP-41 DISPLAY REFER TO INDIVUALLY SELECTABLE DEMOS THAT MAY BE ACTIVATED BY PRESSING THE KEY BELOW IT.

I I S P P

AUTOST (Type WA): Whole calculator loading (2) 336 Regs. Page 1/2 with autostart system Dema.

		1+04151 01
	60 "TM SW A XF 1"	119+LBL 01
01+LBL "NEWM"	61 SF 11	120 SF 25
01+LBL "NEWM" 02 "DO NOT RUIH DEM"	62 PROMPT	121 TIME
03 "HO TAPE."	63 GTO 20	122 FS?C 25
04 XEQ "O"	1	123 GTO 00
05 ADV	64+LBL A	124 "NO TIME MODULE"
06 ADV	65 "TIMER"	125 XEQ 09
07 ADV	66 GTO 01	126+LBL 9 2
08 ADV	67+LBL B	127 SF 25
	68 *CHRONO*	128 ANUM
09 ADV	69 GTO 01	1 1
10+LBL "START"	70+LBL C	129 FS?C 25
11 "INI"	71 "ALARM"	130 GTO 00
12 SF 25	72 GTO 01	131 "NO XFUN MOD"
13 XEQ "INI"		132 XEQ 09
14 FC? 25	74 "XFUNC"	133+LBL 03
15 READP	75 610 00	134 SF 25
16 FC?C 25	75 GTO 92	135 CLX
17 XEQ "INI"	76+LBL 30	136 XROM 17,22
18+LBL "RECOVER"	77 30	137 FS?C 25
19 SF 27		170 CTD 40
20 CF 12	79 ° C V DM BP †"	139 "NO PLOT MOD"
	80 SF 11	
21 AUTOIO	81 PRONPT	140+LBL 99
22 CF 25	82 GTO 30	141 CF 21
23+LBL 10	. 83+LBL A	142 AVIEW
24 10	84 "CASSET"	143 BEEP
25 STO 40	85 GTO 00	144 PSE
26 " D K PR PL †"	86+LBL B	145 GTO 2 0
27 SF 11		146+LBL 00
28 PROMPT	87 "VIDEO"	147 CF 21
29 GTO 10	88 GTO 02	148 ASTO L
30 GTO 10	89+LBL C	149 "LOADING "
31+LBL A	90 -DMM-	150 ARCL L
32 *DISP*	91 GTO 00	· · · · · · · · · · · · · · · · · · ·
33 GTO 90	92+LBL D	151 AVIEW
	93 "BCDEPR"	152 CLA
34+LBL B	94 GTO 00	153 ARCL L
35 -KEYS-	95+LBL 4 0	154 READP
36 GTO 00	96 40	, 155 CLD
37+LBL C	97 STO 40	156 SF 21
38 "HPILPR"	98 *P8 GP PM ? 1*	157 ADY
39 GTO 00		158 ADY
40+LBL D	99 SF 11	159 CLA
71 7601	, 100 PROMPT	160 ARCL L
42 GTO 00	101 GTO 40	161 "H DEMO: "
43+LBL "EE"	102+LBL A	
44 RCL 40	103 "PRNT80"	162 XEQ "012"
45 18	104 GTO 02	163 ADY
	105+LBL B	164 XEQ IND L
46 +	106 °GPIO°	165+LBL "RTN"
47 SF 25	107 GTO 00	166 "END DENO"
48 GTO IND X	198+LBL C	167 CF 21
49 GTO 10	199 *PLTR*	168 RVIEW
50+LBL "ee"		169 SF 21
51 RCL 40	110 GTO 03	170 GTO IND 40
52 10	111+LBL D	\ 171 END
53 X=Y?	112 SF 21 '	
54 GTO 10	113 "MORE INNOVATION	√. "
55 ~	114 AYIEW	
	115 *FROM H.P.*	
56 GTO IND X	116 AVIEW	
57+LBL 20	117 CF 21	
58 20	118 GTO "EE"	
59 STO 40	IIO DIO EE	

```
01+LBL "012"
 02 SF 12
 03+LBL "OUT"
 04+LBL "0"
 05 SF 21
 06 FS? 55
 07 PRA
 08 CF 12
 09 FS? 55
 10 RTN
 11 CF 21
12 AVIEW
13 PSE
14 RTN
15+LBL "Y/N?"
16 CF 05
17 "F? Y/N"
18 AON
19 PROMPT
20 AOFF
21 ASTO Y
22 •Y*
23 ASTO X
24 X=Y?
25 SF 05
26 RTN
27+LBL -IN-
28 CF 22
29 ASTO Y
30 ASHF
31 ASTO Z
32 CLA
33 ARCL Y
34 ARCL Z
35 "F=?"
36 PROMPT
37 FC? 22
38 RTN
39 FC? 55
40 RTH
41 SF 21
42 CLA
43 ARCL Z
44 ARCL T
45 "+ = "
46 ARCL X
47 PRA
```

48 RTN 49 END

6 P i O 148 Regs. Pase 1/1

01+LBL "GPIO" 02 "THE HP82165A AN" 03 "FD" 04 XEQ "OUT" 05 "THE HP82166A GP" 96 "FIO" 97 XEO "OUT" 98 "INTERFACES BRIN" 09 "HG HPIL" 10 XEQ "OUT" 11 "TO THE WORLD OF" 12 "F:" 13 XEQ "OUT" 14 ADV 15 *-DATA COLLECTIO* 16 "FN" 17 XEQ "OUT" 18 "-DEVICE CONTROL" 19 XEQ "OUT" 20 "-HONE COMPUTERS" 21 XEQ "OUT" 22 "-OEM APPLICATIO" 23 "FNS" 24 XEQ "OUT" 25 "************ 26 "-****** 27 XEQ "OUT" 28 ADV 29 "BOTH INTERFACES" 30 XEQ -OUT-31 "INCORPORATE A 3" 32 "H2 BYTE" 33 XEQ "OUT" 34 *FIFO BUFFER FOR* 35 XEQ "OUT" 36 "INCREASED THROU" 37 "FGHPUT." 38 XEQ "OUT" 39 ADV 40 "APPLICATIONS:" 41 XEQ "OUT" 42 ADV 43 "-THE 82165A CAN" 44 "F CONNECT" 45 XEQ *OUT* 46 "TO MANY PERSONA" 47 "HL" 48 XEQ "OUT" 49 "COMPUTERS, AND "

51 XEQ "OUT" 52 "MAINFRAME COMPU" 53 "HTERS" 54 XEQ "OUT" 55 *OVER THEIR PARA* 56 "HLLEL" 57 XEQ "OUT" 58 "INTERFACE PORT " 59 "FTHUS" 60 XEQ "OUT" 61 "GIVING YOUR MAC" 62 "HINE" 63 XEQ "OUT" 64 "HPIL COMPATIBIL" 65 "FITY." 66 XEQ *OUT* 67 " ALSO, IT CAN" 68 "H BE" 69 XEQ "OUT" 70 "CONNECTED TO MO" 71 "FST" 72 XEQ "OUT" 73 *PRINTERS AVAILA* 74 "HBLE" 75 XEQ "OUT" 76 *ALLOWING YOUR S* 77 "HTANDARD" 78 XEQ "OUT" 79 "SIZED PRINTER T" 80 "HHAT YOU" 81 XEQ "OUT" 82 "MAY ALREADY OWN" 83 "F TO BO" 84 XEQ "OUT" 85 "YOUR PRINTING." 86 XEQ -OUT-87 ADV 88 *-THE 82166R IS * 89 "HMEANT FOR" 90 XEQ "OUT" 91 *OEM CUSTOMERS W* 92 "HHO WISH" 93 XEQ -OUT-94 "TO DESIGN HPIL" 95 XEQ "OUT" 96 "CAPABILITIES IN" 97 "HTO THEIR " 98 XEQ "OUT" 99 *PRODUCTS WITH M* 100 "FINIMAL" 101 XEQ -OUT-102 "DEVELOPEMENT CO" 103 "FSTS AND" 194 XEQ "OUT" 105 "HP SUPPORT." 196 XEQ "OUT" 107 ADV 108 ADV 109 ADV 110 ADV 111 "END DEMO" 112 XEQ "OUT" 113 XEQ "RTN"

114 .END.

50 "HLARGER"

Program Run:

THE HP82165A AND THE HP82166A GPIO INTERFACES BRING HPIL TO THE WORLD OF:

-DATA COLLECTION
-DEVICE CONTROL
-HONE COMPUTERS
-OEM APPLICATIONS

BOTH INTERFACES INCORPORATE A 32 BYTE FIFO BUFFER FOR INCREASED THROUGHPUT.

APPLICATIONS:

-THE 82165A CAN CONNECT TO MANY PERSONAL COMPUTERS, AND LARGER MAINFRAME COMPUTERS OVER THEIR PARALLEL INTERFACE PORT THUS GIVING YOUR MACHINE HPIL COMPATIBILITY.

ALSO, IT CAN BE CONNECTED TO MOST PRINTERS AVAILABLE ALLOWING YOUR STANDARD

SIZED PRINTER THAT YOU

MAY ALREADY OWN TO DO

YOUR PRINTING.

-THE 82166A IS MEANT FOR OEN CUSTOMERS WHO WISH TO DESIGN HPIL CAPABILITIES INTO THEIR PRODUCTS WITH MINIMAL DEVELOPEMENT COSTS AND HP SUPPORT.

END DEMO

I Ni 181 Regs. Page 1/2

> 01+LBL "INI" 02 2 **03 SELECT** 04 "SEE PRINTER" 05 CF 21 06 FS? 55 07 AVIEW 08 FS? 55 09 SF 21 10 " HP-41" 11 XEQ "012" 12 "SYSTEM DEMO" 13 XEQ "012" 14 ADV 15 TIME 16 FC? 25 17 GTO 01 18 "IF TIME AND DAT" 19 "HE ARE" 20 XEQ "OUT" 21 *PROPERLY SET, A* 22 "HNSWER" 23 XEQ "OUT" 24 "N TO THE NEXT Q" 25 "HUESTION," 26 XEQ "OUT" 27 "THEN PRESS R/S." 28 XEQ "OUT" 29 ADV 30 ADV 31 ADV 32 ADV 33 ADV 34 "INITL" 35 XEQ "Y/N?" 36 FC? **0**5 37 GTO 01 38 CF 28 39 *USA DSP* 48 XEQ "Y/N?" 41 FS? 05 42 SF 28

43 SF 25

44 TIME

46 RTN

45 FC?C 25

47 FIX 0 48 CF 29 49 "SET TIME" 50 CF 21 51 AVIEW 52 BEEP 53 PSE 54 "HR" 55 XEQ "IN" 56 STO 01 57 "MIN" 58 XEQ "IN" 59 1 E2 69 / 61 RCL 01 62 + 63 STO 01 64 "PM" 65 XEQ "Y/N?" 66 RCL 01 67 FS? **0**5 68 CHS 69 SF 25 70 SETIME 71 "SET DATE" 72 CF 21 73 AYIEN 74 BEEP 75 PSE 76 MDY 77 "MONTH" 78 XEQ "IN" 79 STO 01 80 "BAY" 81 XEQ "IN" 82 STO 02 83 "YEAR" 84 XEQ "IN" 85 1 E2 86 / 87 FRC 88 19 89 + 90 1 E4 91 / 92 RCL 02 93 1 E2 94 / 95 + 96 RCL 01 97 + 98 SETDATE 99+LBL 01 100 ADV 101 "PRESS THE TOP " 102 "FROW OF" 103 XEQ "OUT" 194 "KEYS TO SELECT " 105 "FDESIRED" 106 XEQ -OUT-107 "DEMO." 108 XEQ "OUT"

109 ADV

110 "THE ABBREVIATIO" 111 "FNS IN THE" 112 XEQ "OUT" 113 "HP-41 DISPLAY R" 114 "HEFER TO" 115 XEQ "OUT" 116 "INDIVUALLY SELE" 117 "HCTABLE" 118 XEQ "OUT" 119 "DEMOS THAT MAY " 120 "FBE ACTI-" 121 XEQ -OUT-122 "VATED BY PRESSI" 123 "FNG THE" 124 XEQ "OUT" 125 "KEY BELOW IT." 126 XEQ "OUT" 127 ADY 128 ° D° 129 PRA 130 · I· 131 PRA 132 ° S* 133 ACA 134 INSREC 135 " P" 136 ACA 137 PRBUF 138 ACA 139 INSREC 148 "R" 141 ACA 142 PRBUF 143 " L" 144 ACA 145 INSREC 146 "E" 147 ACA 148 PRBUF 149 " A" 150 ACA 151 INSREC 152 *S* 153 ACA 154 PRBUF 155 * Y DEMO* 156 ACA 157 INSREC 158 *S* 159 ACA 160 PRBUF 161 "----162 "-----" 163 PRA 164 ADV 165 * D DISPLAY* 166 ACA 167 INSREC 168 "A" 169 ACA 170 PRBUF 171 * K KEYS* 172 ACA 173 INSREC

174 "B" 175 ACA 176 PRBUF INI 177 "PR PRINTER" 178 ACA 181 Regs Page 2/2 179 INSREC 180 "C" 181 ACA 182 PRBUF 183 "PL PRINT PLOT" 184 ACA 185 INSREC 186 "D" 187 ACA 188 PR8UF 246 "A" 189 ADV 241 ACA 190 "TM TIME MODULE" 242 PRBUF 191 ACA 243 "GP GPIO INTERFA" 192 INSREC 244 "HCE" 193 "A" 245 ACA 194 ACA 246 INSREC 195 PRBUF 247 "B" 196 "SW STOP WATCH" 248 ACA 197 ACA 249 PRBUF 198 INSREC 250 "PM PLOTTER MODU" 199 "B" 251 "FLE" 200 ACA 252 ACA 201 PRBUF 253 INSREC 202 " A ALARM" 254 °C* 203 ACA 255 ACA 204 INSREC 256 PRBUF 205 °C" 257 - ? FUTURE DEVIC-206 ACA 258 "FE" 207 PRBUF 259 ACA 208 "XF EXTENDED FUN" 260 INSREC 209 "HOTIONS D" 261 °D° 210 PRA 262 ACA 211 ADV 263 PRBUF 212 * C CASSETTE DRI* 264 ADV 213 "HYE" 265 *PRESS THE E KEY* 214 ACA 266 "H FOR MORE" 215 INSREC 267 XEQ *0UT* 216 "A" 268 "DEMO CHOICES." 217 ACA 269 XEQ *0UT* 218 PRBUF 270 ADV 219 " V VIDEO INTERF" 271 *PRESS THE GOLD * 228 "HACE" 272 "FKEY THEN" 221 ACA 273 XEQ *OUT* 222 INSREC 274 "THE E KEY FOR " 223 "B" 275 "HPREVIOUS" 224 ACA 276 XEQ "OUT" 225 PRBUF 277 *KEY LABELS.* 226 "DM DIGITAL MULT" 278 XEQ -OUT-227 "HI-METER C" 279 ADV 228 PRA 280 ADV 229 "BP BAR CODE, PR" 281 ADV 230 ACA 282 ADV 231 INSREC 283 1 232 "D" 284 SELECT 233 ACA 285 SF 25 234 PRBUF 286 RTN 235 ADV 287 .END. 236 *P8 80 COL PRINT* 237 "HER" 238 ACA 239 INSREC

Program run.

HP-41 SYSTEM DEMO

IF TIME AND DATE ARE PROPERLY SET, ANSWER N TO THE NEXT QUESTION, THEN PRESS R/S.

PRESS THE TOP ROW OF KEYS TO SELECT DESIRED DEMO.

THE ABBREVIATIONS IN THE HP-41 DISPLAY REFER TO INDIVUALLY SELECTABLE DEMOS THAT MAY BE ACTIVATED BY PRESSING THE KEY BELOW IT.

D I SP

... and more.

Disp Page 1/2-180 Regs.

56 "1. IMPUT PROMPT" 57 "FING" 123 CF 13 58 XEQ 99 124 CF 21 59 SF 13 125 *5.2 METER* 60 " NUMERIC" 126 TONE 0 61 XEQ 99 127 XEQ 99 62 PSE 128 *37 DEGREES C* 63 PSE 129 TONE 1 64 CF 13 130 XEQ 99 65 CF 21 131 *TAX=18.5 %* 66 "TEMPERATURE?" 132 TONE 2 67 TONE 4 133 XEQ 99 68 XEQ 99 134 "R2=10K OMH" 69 PSE 135 TONE 3 70 "INCOME ?" 136 XEQ 99 71 TOHE 5 137 "NO ROOT FOUND" 72 XEQ 99 138 TONE 4 73 "BEAM LENGTH?" 139 XEQ 99 74 TONE 6 140 *CREDIT REFUSED* 75 XEQ 99 141 TONE 5 76 "OXYGEN SAT.?" 142 XEQ 99 77 TONE 7 143 *PRICE IS \$10* 78 XEQ 99 144 TONE 6 79 "ALTITUDE ?" 145 XEQ 99 80 TONE 8 146 "Z-FACTOR= OK" 81 XEQ 99 147 TONE 7 82 "FREQUENCY ?" 148 XEQ 99 83 TONE 9 149 "XYZ IN STOCK" 84 XEQ 99 150 TONE 8 85 SF 13 151 XEQ 99 86 FS? 55 152 "VOLUME=2 M13" 87 SF 21 153 TONE 9 88 CLD 154 XEQ 99 89 · ALPHA-155 FS? 55 90 XEQ 99 156 SF 21 91 PSE 157 CLD 92 CF 13 158 *3. STATUS INDIC* 93 CF 21 159 "HATION" 94 "MM/INCH ?" 160 XEQ 99 95 TONE 4 161 SF 13 96 XEQ 99 162 * BATTERY* 97 "YES/NO ?" 98 TONE 5 163 XEQ 99 164 . USER KEYBOAR-99 XEQ 99 165 "FD" 100 "BIRTH DATE ?" 166 XEQ 99 101 TONE 6 102 XFQ 99 167 " TRIG. MODE" 168 XEQ 99 103 "PART NUMBER?" 169 · FLAG STATUS · 104 TONE 7 170 "HO TO 4" 105 XEQ 99 171 XEQ 99 172 " PROGRAM MODE" 173 XEQ 99 174 " ALPHA KEYBOA" 106 "PRINT/PLOT ?" 107 TONE 8 108 XEQ 99 109 "LEASE/BUY ?" 175 "FRD" 110 TONE 9 176 XEQ 99 111 XEQ 99 177 PSE 112 FS? 55 178 CF 13 113 SF 21 179 CF 21 114 CLD 180 CF 27 115 °2. OUTPUT LABEL® 181 CLA 116 "FING" 182 AVIEW

183 SF 27

185 SIN

187 SIN

186 CF 27

184 TONE 9

01+LBL -DISP-02 CF 13 03 SF 26 94 FS? 55 05 SF 21 **06 BEEP** 07 "I AN THE HP-41" 98 "F AND I" 10 "LIKE TO COMMUNI" 11 "+CATE" 12 XEQ 99 13 "WITH YOU..." 14 XEQ 99 15 PSE 16 "PLEASE TYPE IN" 17 "H YOUR" 18 XEQ 99 19 "FIRST HAME AND " 20 "HPRESS R/S" 21 XEQ 99 22 CLP 23 CLD 24 TONE 9 25 AON 26 STOP 27 AOFF 28 ASTO 01 29 ASHF 30 ASTO 02 31 ASHF 32 ASTO 03 33 "THANKS " 34 ARCL 01 35 ARCL 02 36 ARCL 03 37 ADV 38 XEQ 99 39 ADV 40 "LET US NOW SEE " 41 "HON MY" 42 XEQ 99 43 "ALPHANUMERIC DI" 44 "FSPLAY" 45 XEQ 99 46 "HELPS YOU WHEN . 47 "FYOU RUN" 48 XEQ 99 49 "A PROGRAM" 50 XEQ 99 51 ADV 52 "NOW WATCH THE D" 53 "HISPLAY" 54 XEQ 99

55 ADV

117 XEQ 99

118 SF 13

121 XEQ 99

120 "HNSWERS"

119 . DOCUMENTED A.

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180 Regs
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188 RAD 189 TONE 9 198 SIN 191 DEG 192 SIN 193 GRAD 194 TONE 9 195 SIN 196 DEG 197 .004 198 STO 00 199+LBL 01 200 SF IND 00 201 TONE 9 202 SIN 203 CF IND 00 204 ISG 00 205 GTO 01 206 AON 207 TONE 9 208 SIN 209 AOFF 210 SIN 211 CLD 212 SF 27 213 FS? 55 214 SF 21 215 *4. MEANINGFUL M* 216 "HESSAGES" 217 XEQ 99 218 SF 13 219 " BUILT IN ERR" 228 "FOR RE-" 221 XEQ 99 222 PORTING AND 223 "FSTATUS" 224 XEQ 99 225 * MESSAGES* 226 XEQ 99 227 PSE 228 CF 13 229 CF 21 230 "ALPHA DATA" 231 TONE 6 232 XEQ 99 233 "DATA ERROR" 234 TONE 6 235 XEQ 99 236 "MEMORY LOST"

237 TONE 6 238 XEQ 99 239 NONEXISTENT 240 TONE 6 241 XEQ 99

243 TONE 6 244 XEQ 99

242 "OUT OF RANGE"

245 "PRIVATE" 246 TONE 6 247 XEQ 99 248 "PACKING" 249 TONE 6 258 XEQ 99 251 FS? 55 252 SF 21 253 BEEP 254 CLD 255 RTN 256+LBL 99 257 FS? 21 258 AVIEW 259 FC? 21 260 AVIEW 261 FC? 21 262 SIN 263 FC? 21 264 SIN 265 RTN 266 .END.

I AM THE HP-41 AND I LIKE TO COMMUNICATE WITH YOU... PLEASE TYPE IN YOUR FIRST NAME AND PRESS R/S

THANKS ETIENHE

LET US NOW SEE HOW MY ALPHANUMERIC DISPLAY. HELPS YOU WHEN YOU RUN A PROGRAM

NOW WATCH THE DISPLAY

- 1. INPUT PROMPTING numeric alpha
- 2. OUTPUT LABELING documented answers
- 3. STATUS INDICATION battery user keyboard tris. mode flag status 0 to 4 program mode alpha keyboard
- 4. MEANINGFUL MESSAGES built in error reporting and status messages

move on the display.

01+LBL "KEYS" 02 FIX 4 03 XEQ "WP" 04 "THE HP-41 HAS A" 95 "- UNIQUE" 96 XEQ "0" 07 "FEATURE BY WHIC" 98 "FH YOU" 09 XEQ "0" 10 "CAN REDEFINE TH" 11 "HE ENTIRE" 12 XEQ "0" 13 "KEYBOARD" 14 "F." 15 XEQ "0" 16 ADV 17 "THIS FRIENDLY F" 18 "FEATURE" 19 XEQ -0-20 "ALLOWS YOU TO: " 21 XEQ "0" 22 -1 ABAPT THE KEY-23 "FBOARD" 24 XEQ "0" 25 " TO YOUR NEEDS-26 "F." 27 XEQ *0* 28 *2 ASSIGN OFTEN * 29 "HUSED" 30 XEQ "0" 31 * FUNCTIONS FRO* 32 "FM CAL-" 33 XEQ *0* 34 " CULATOR AND P" 35 "HLUG-IN" 36 XEQ *0* 37 - PERIPHERALS-38 "F." 39 XEQ "0" 40 "3 AID UNSKILLED" 41 XEQ "0" 42 " USERS IN CUST" 43 "HOMIZED" 44 XEQ "0" 45 - APPLICATIONS-46 · L. 47 XEQ "0" 48 ABV 49 "NOW LETS SEE TH" 50 "HE EFFECT" 51 XEQ "0" 52 "OF THE ASSIGNAB" 53 "HLE KEY-" 54 XEQ "0"

55 "BOARD" 56 "H AND USER MODE" 57 °F.° 58 XEQ *0* 59 ADV 60 "USER NODE IS IN" 61 "FDICATED" 62 XEQ "0" 63 "BY ANNUNCIATORS" 64 "F IN THE" 65 XEQ *0* 66 "DISPLAY." 67 XEQ "0" 68 ADV 69 XEQ "WATCH" 70 5 71 CLA 72 AVIEW 73+LBL 01 74 SF 27 75 TONE 1 76 CF 27 77 TONE 9 78 DSE X 79 GTO 01 80 XEQ "WP" 81 "USER MODE ALLOW" 82 "FS YOU" 83 XEQ *0* 84 "TO DESIGN A CAL" 85 -HCULATOR-86 XEQ *0* 87 "FOR YOUR NEEDS." 88 XEQ "0" 89 ADV 90 "SWITCHING OUT O" 91 "FF USER" 92 XEQ *0* 93 "MODE RETURNS FU" 94 "FNCTION TO" 95 XEQ "0" 96 "DEFAULT CONFIGU" 97 "FRATION." 98 XEQ *0* 99 ADV 100 XEQ "WATCH" 101 CF 21 102 5 103+LBL 02 104 -YOUR DESIGN-195 SF 27 106 AVIEW 107 TONE 1 108 PSE 109 "HP DESIGN" 110 CF 27 111 AVIEW 112 TONE 9 113 PSE 114 DSE X 115 GTO 02 116 CF 27 117 XEQ "WP" 118 "WITH USER MODE "

119 "HOFF TRY"

121 "THE SIN FUNCTIO" 122 "FN. NOTE" 123 XEQ *0* 124 "THAT IF YOU HOL" 125 "FD THE KEY" 126 XEQ *0* 127 "DOWN THE FUNCTI" 128 "FON NAME" 129 XEQ *0* 130 "IS DISPLAYED." 131 XEQ -0-132 ADV 133 *HOLDING THE KEY* 134 "F LONGER" 135 XEQ -0-136 "WILL CAUSE THE " 137 "HKEY TO" 138 XEQ "0" 139 BE IGNORED OR Nº 140 "HULLED." 141 XEQ "0" 142 ADV 143 "TRY THE SIN FUN" 144 "HCTION." 145 XEQ "0" 146 *PRESS R/S TO CO* 147 "FNTINUE." 148 XEQ *0* 149 ADV 150 45 151 CLD 152 STOP 153 XEQ "WP" 154 SF 27 155 "TRY THE SIN KEY" 156 "H AGAIN" 157 XEQ "0" 158 -WITH USER MODE -159 "HSET." 160 XEQ "0" 161 ADV 162 45 163 CLD 164 STOP 165+LBL "NOTSIN" 166 CF 21 167 "NOT SIN NOW" 168 AVIEW 169 BEEP 170 BEEP 171 "END DENO" 172 AVIEW 173 PSE 174 GTO "RECOVER" 175 RTN 176+LBL *WATCH* 177 WATCH THE DISPL" 178 "FAY." 179 XEQ "0" 185 FS? 55 180 ADV 186 AVIEW 181 RTN 187 FS? 55 182+LBL "WP" 188 SF 21 183 "SEE PRINTER" 189 RTN

184 CF 21

190 .END.

120 XEQ "O"

170 Regs	Page	11)	•		
" Tegs	U ,		53 "READING DATA"	. "	114 ADV
			54 AYIEW		115 ADV
		₹	55 "PRDTA"		116 ADV 117 ADV
			56 READR	1	118 "END DEMO"
		İ	57 CLD		119 AVIEW
		1	58 SF 21		120 1
			59 SF 12 60 ADV		121 SELECT
			61 RCL 04		122 RTH
			62 ACSPEC		123+LBL "CH"
@1+LBL "HPILPR"		•	63 RCL 05		124 SF 12
82 CF 21			64 ACSPEC		125 ADV
03 "SEE PRINTER"			65 RCL 06	ļ	126
04 AVIEW		1	66 ACSPEC		127 1
05 SF 21 06 2		1	67 PRBUF		128 ENTER† 129 ENTER†
97 SELECT			68 ADV		130 ENTERT
08 ADV			69 RCL 03 70 ACSPEC		131 .02
09 "THE HP82162A"			76 HUSTEU 71 CF 12		132 STO 00
10 XEQ "012"			72 " BELL SYSTEM"		133+LBL 05
11 INSREC			73 ACA	i	134 ACCHR
12 *PRINTER/PLOTTER*	1		74 PRBUF		135 ACA
13 ACA	1		75 ADV		136 +
14 PRBUF 15 XEQ "IL"	Ì		76 RCL 13		137 ACCHR 138 ACA
16 "COMPATIBLE WITH"	. ;	1 .	77 ACSPEC		139 +
17 "- PRESENT"		İ	78 RCL 14 79 ACSPEC	1	140 ACCHR
18 XEQ "0"			80 RCL 15		141 ACA
19 "AND FUTURE HP-I"	:		81 ACSPEC	•	142 +
20 "HL DEVICES"			82 CF 12		143 ACCHR
21 XEQ "0"			83 · CHEVROLET·		144 ACA
22 ADV 23 "AN INVESTMENT I"	•		84 ACA	I	145 + 146 ACCHR
24 "FN THE"			85 PRBUF		147 ACA
25 XEQ "0"			86 ADY 87 "-SINGLE WIDTH A"		148 +
26 "FUTURE"			88 *FND*		149 ACCHR
27 XEQ "0"		İ	88 "HND" 89 XEQ "O" 90 "DOUBLE WIDTH" 91 XEQ "O12" 92 ADV		150 ACA
28 ADV			90 "DOUBLE WIDTH"		151 +
29 "KEY FEATURES" 30 XEQ "012"			91 XEQ "012"		152 PRBUF 153 ISG 00
31 *-COMPATIBLE WIT'			92 ADV		154 GTO 95
32 "HH THE"			92 HDY 93 "-UPPER CASE AND" 94 XEQ "O"		155 ACCHR
33 XEQ "O"			74 AEW U Q5 CF 17		156 ACA
34 " HP 82143A PRIN	• :		95 SF 13 96 - LOWER CASE 97 XEQ "0"		157 +
35 "HTER"	!		97 XEQ "0"	į	158 ACCHR
36 XEQ "O" 3796 ASCII STAND			98 ADV	r I	159 ACA
38 "HARD CHAR."		!	97 XEQ "0" 98 ADV 99 CF 13 100 "-FORMATED OUTPU" 101 "+T" 102 XEQ "0"	:	160 + 161 PRBUF
39 XEQ "0"		;	100 "-FURNHIED UDIPU"		162 CF 12
49 *-127 HP-41 COMP			101 "F1" 192 XEQ "0"		163 RTN
41 "HATIBLE"			103 "CENTERED"		
42 XEQ "O" 43 " CHARACTERS" 44 XEQ "O"			104 ACA		100 0, 20
43 " CHARACTERS"			105 INSREC		166 ADY
44 XEW "U"			106 ADY		167 127
45 XEQ "CH" 46 ADV			107 "LEFT"		168 ACCOL 169 0
47 USER DEFINED S	11		108 ACA		170 ENTERT
48 "FPECIAL"			109 INSREC 110 "RIGHT" 111 ACA		171 3
49 XEQ "0"			110 KTUNI 111 ACA		172 BLDSPEC
50 ° CHARACTERS° 51 XEQ °0°	٠		112 PRBUF		173 LASTX
51 XEQ =0"			113 CLX		174 BLDSPEC
52 CF 21			•		175 LASTX
					176 BLDSPEC 177 Lastx
			*F		178 BLDSPEC
					*** ******

11)
V	
U	

179	LASTX		249	47		1		302 RCL 00
		I	241	SKPCOL				
4.5	BLDSPEC					!		303 127
181	LASTX		242			'		304 BLDSPEC
192	BLDSPEC	I	243	SF 12		i		305 ACSPEC
			244	ACCOL				
	LASTX		i					386 33
184	BLDSPEC		1	PRBUF				307 SKPCOL
	STO 03		246	ACCOL	•			3 0 8 127
			f .	INSREC			ļ	
186	ACSPEC						İ	309 ACCOL
187	ACSPEC			ACCOL				310 47
	ACSPEC		249	33				311 CF 12
			i	SKPCOL				
189	ACSPEC		1					312 SKPCOL
190	ACSPEC		251	RDN				313 RDN
			252	ACCOL				314 SF 12
	ACSPEC		253					
192	ACSPEC							315 ACCOL
193	ACSPEC		254	CF 12				316 PRBUF
			255	SKPCOL			ļ	317 ACCOL
	ACSPEC			SF 12				
195	ACSPEC							318 48
196	ACSPEC	•	257	RDN				319 ACCOL
			258	ACCOL				320 24
	CF 12			PRBUF				
198	ACSPEC							321 ACCOL
199	LASTX		268	ACCOL			i	322 12
		1	261	INSREC		1	İ	323 ACCOL
	ACCOL	:				i		
201	SF 12	!	262			1	İ	324 6
292	ACCOL		263	ACCOL		1		325 ACCOL
		:	264	48				
293								326 3
204	ACCOL			ACCOL				327 ACCOL
205	PRBUF		266	24				328 1
			267	ACCOL				a contract of the contract of
	ACCOL		*					329 ACCOL
207	INSREC		268					330 RCL 01
200	"HP-IL"		269	ACCOL				331 ACSPEC
			279	77				
209			1					332 INSREC
219	CF 12			SKPCOL				333 RCL 03
211			272	127				334 ACSPEC
			273	ACCOL				
212	SKPCOL							335 ACSPEC
213	SF 12		274					336 ACSPEC
214			275	CF 12				337 ACSPEC
				SKPCOL				
215	ACCOL							338 ACSPEC
216	PRBUF			SF 12				339 CF 12
	ACCOL		278	RDN				340 47
				ACCOL				
218	INSREC							341 SKPCOL
219	96			PRBUF				342 127
	BLDSPEC		281	ACCOL		1		343 SF 12
		1		INSREC				
221	LASTX	1				!		344 ACCOL
222	BLDSPEC	1	283			:		345 PRBUF
	LASTX	1	284	ENTER†				346 8
			285					
	BLDSPEC							347 ACCOL
225 1	LASTX			BLDSPEC				348 54
	BLDSPEC		287 -	48				349 ACCOL
				BLDSPEC				
	LASTX							350 99
228 1	BLDSPEC		289					351 ACCOL
	LASTX		298	BLDSPEC				352 65
			291					
	BLDSPEC							353 ACCOL
231 1	LASTX		i .	BLDSPEC	•			354 INSREC
	BLDSPEC		293 (6				355 127
				BLDSPEC				
	STO 0 4							356 ACCOL
234 (ACSPEC		295					357 PRBUF
	ACSPEC		296 I	BLDSPEC	•			358 SF 12
				STO 00				
236 (ACSPEC	,÷						359 7
237 (ACSPEC		2 9 8					360 SKPCOL
	ACSPEC		299 1	BLDSPEC				361 1
				STO 01				
239 (CF 12							362 ACCOL
•		•	301	ACSPEC		1		36 3 3
						•		364 ACCOL
								OOL MOCOF

170 regs P/3/3

PLOT. 365 6

383 ACSPEC

384 ACSPEC 385 ACSPEC 386 96 387 CF 12

388 ACCOL 389 ACCOL 390 ACCOL

391 ACCOL 392 ACCOL 393 ACCOL

394 SF 12 395 127

396 ACCOL 397 PRBUF

398 CF 12 399 37

400 SKPCOL

401 SF 12 492 1

403 ACCOL

404 3

405 ACCOL 406 6

407 ACCOL

408 12 409 ACCOL

410 24

411 ACCOL 412 48

413 ACCOL

414 127

415 ACCOL 416 PRBUF

417 CF 12

418 RTN

419 .END.

01+LBL "PLOT"

92 2

03 SELECT

04 CF 21

05 "SEE PRINTER"

06 AVIEW

07 SF 21

08 DEG

09 1

10 STO 01

11 CHS

12 STO 99

13 STO 03

14 CLX

15 STO 04

16 540

17 STO 09

18 CHS

19 STO 08

20 30

21 STO 10

22 "SINX/X"

23 ASTO 11

24 XROM "PRPLOTP"

25 ADV

26 ADV

27 "END DEMO"

28 AVIEW

29 ADV

30 ADV

31 RTN

32+LBL "SINX/X"

33 X=0?

34 GTO 00

35 SIN

36 LASTX

37 D-R

38 🗸 **39 RTN**

40+LBL 00

41 1

42 RTN

43 .END.

TIMER 80 Reap Page 1/1

```
<u>(13)</u>
```

```
ØI+LBL "TIMER"
    02 "SEE PRINTER"
    03 FS? 55
    04 AVIEW
    85 CF 29
    86 CLKT
    07 CLK12
    98+LBL 91
    09 FIX 2
    10 "IT IS NON:"
    11 XEQ "OUT"
    12 TIME
    13 CLA
   14 ATIME
   15 XEQ "OUT"
   16 BEEP
   17 ADV
   18 "THE DATE IS: "
   19 XEQ -OUT-
   20 CLA
   21 FIX 6
   22 DATE
   23 ADATE
   24 XEQ "OUT"
  25 BEEP
  26 ADV
  27 "FORMATS"
  28 XEQ "OUT"
  29 ADV
  30 "12 HR MODE: "
  31 XEQ "OUT"
  32 FIX 4
  33 TIME
  34 CLA
  35 ATIME
  36 XEQ "OUT"
  37 12
  38 T+X
 39 TIME
 40 CLA
 41 ATIME
 42 XEQ *OUT*
 43 ADV
 44 "24 HR MODE: "
 45 XEQ -OUT-
 46 TIME
 47 CLA
 48 ATIME24
 49 XEQ "OUT"
 50 12
51 CHS
52 T+X
53 TIME
54 CLA
55 ATIME24
56 XEQ "OUT"
57 ADV
58 MDY
59 "MM/DD/YY:"
60 XEQ "OUT"
61 DATE
62 CLA
```

63 ADATE

64 XEQ "OUT"

```
65 ADV
    66 "MM/DD/YYYY:"
    67 XEQ "OUT"
    68 FIX 6
    69 DATE
    70 CLA
    71 ADATE
    72 XEQ "OUT"
   73 ADV
   74 "DD.MM.YY:"
   75 XEQ "OUT"
   76 DMY
   77 DATE
   78 CLA
   79 DMY
   88 FIX 4
   81 ADATE
   82 XEQ "OUT"
   83 ADV
   84 "DD.HM.YYYY:"
   85 XEQ -OUT-
   86 DATE
   87 CLA
   88 FIX 6
  89 ADATE
   98 XEQ "OUT"
  91 ADV
  92 ADV
  93 "DAY OF WEEK:"
  94 XEQ *OUT*
  95 DATE
  96 DON
  97 "TODAY IS "
  98 9
  99 X=Y?
 100 "FSUNDAY"
 101 RDN
 102 1
 103 X=Y?
 104 "FMONDAY"
 105 RDN
 106 2
107 X=Y?
108 "HTUESDAY"
109 RDN
110 3
111 X=Y?
112 "FWEDNESDAY"
113 RDN
114 4
115 X=Y? :
116 "FTHURSDAY"
117 RDN
118 5
119 X=Y?
120 "FFRIDAY"
121 RDN
122 6
```

123 X=Y?

```
124 "SATURDAY"
 125 "F."
 126 XEQ "OUT"
 127 ADV
 128 "THE HP-41 CAN E"
 129 "EVEN ACT"
 130 XEQ *OUT*
 131 "AS A DESK CLOCK"
132 "F."
133 XEQ "OUT"
134 ADV
135 CLST
136 TIME
137 .0020
138 HMS+
139 ", ttRTN"
140 XYZALM
141 "WATCH THE DISPL"
142 "HRY."
143 XEQ "OUT"
144 SF 29
145 MDY
146 CLOCK
147 .END.
```

55 "CLEAR/EXIT STOP"

56 "HWATCH"

```
14
```

```
57 XEQ "OUT"
                                         58 "MODE:"
                                         59 XEQ "OUT"
 01+LBL *CHRONO*
                                         60 "BACK ARRON"
 02 CF 21
                                         61 SF 12
 03 "SEE PRINTER"
                                         62 ACA
 04 FS? 55
                                         63 3
 05 AVIEW
                                         64 ACCHR
 96 FS? 55
                                         65 PRBUF
 07 SF 21
                                         66 CF 12
 08 2
                                         67 ADV
 09 SELECT
                                         68 ADV
 10 CF 29
                                         69 "THE STOPWATCH H"
 11 CLX
                                         70 "HAS BEEN"
 12 SETSW
                                         71 XEQ "OUT"
 13 RUNSH
                                         72 "RUNNING SINCE T"
 14 SF 29
                                         73 "HHIS DEMO"
 15 "DISPLAY, FROM L"
                                        74 XEQ *0UT*
 16 "HEFT TO"
                                       75 "STARTED."
 17 XEQ "OUT"
                                       76 XEQ "OUT"
· 18 "RIGHT, INDICATE"
                                        77 ADV
19 *FS HOURS, *
                                         78 "THE ELAPSED TIM"
 20 XEQ "OUT"
                                         79 "HE, SO"
 21 "MINUTES, SECOND"
                                         80 XEQ "OUT"
 22 "FS,"
                                         81 *FAR, IS *
 23 XEQ "OUT"
                                         82 RCLSW
24 "HUNDREDTHS AND "
                                         83 FIX 2
 25 "FREGISTER"
                                         84 1 E4
 26 XEQ "OUT"
                                         85 *
 27 "INTO WHICH A SP"
                                         86 ARCL X
 28 "FLIT"
                                         87 "H SECONDS."
 29 XEQ -OUT-
                                         88 XEQ *OUT*
 30 "WILL BE STORED."
                                        89 ADV
 31 XEQ "OUT"
                                        90 CLX
 32 ADV
                                         91 SETSM
 33 "START/STOP ST"
                                       92 "NOW, TRY THE ST"
 34 "FOPWATCH"
                                       93 "HOPWATCH."
 35 XEQ "OUT"
                                         94 XEQ "OUT"
 36 "R/S"
                                         95 ADV
 37 XEQ *012*
                                        96 "START IT"
 38 ADV
                                        97 XEQ "OUT"
 39 "TAKE/STORE SPLI"
                                        98 ADV
 40 "FTS"
                                         99 "TAKE SPLITS"
 41 XEQ "OUT"
                                        100 XEQ "OUT"
42 "ENTER"
                                        101 ADV
43 XEQ *012*
                                        102 "STOP IT"
44 ADV
                                        103 XEQ "OUT"
45 "SPLIT RCL MODE-"
                                        104 ADV
46 XEQ *OUT*
                                        105 "REVIEW THE SPLI"
47 "RCL"
                                       106 "FTS."
48 XEQ *012*
                                       197 XEQ "OUT"
49 *NEXT/PREVIOUS S*
                                       108 ADV
50 "FPLIT-"
                                        109 "CLEAR STOPWATCH"
51 XEQ "OUT"
                                       110 "H MODE"
52 "SST/BST"
                                        111 XEQ "OUT"
53 XEQ "012"
54 ADV
```

112 "BY PRESSING SHI" 113 "FFT THEN" 114 XEQ "OUT" 115 "BACK ARRON." 116 XEQ -OUT-117 ADV 118 ADV 119 ADV 120 ADV 121 STOPSW 122 CLX 123 SETSM 124 SW 125 CF 21 126 "END DEMO" 127 AVIEW 128 SF 21 129 RTN 130 .END.

```
01+LBL "ALARM"
92 CF 21
03 "SEE PRINTER"
04 AVIEW
05 SF 21
96 1
07 SELECT
08 "ALARM CAPABILIT"
09 "FIES ALLOW"
10 XEQ "OUT"
11 "THE HP-41 TO AC"
12 "FT AS AN"
13 XEQ "OUT"
14 "ALARM CLOCK."
15 XEQ "OUT"
16 ADV
17 "HEAR THE TONES?"
18 XEQ "OUT"
19 BEEP
20 BEEP
21 BEEP
22 BEEP
23 ADV
24 "MESSAGE ALARMS "
25 "HADD A"
26 XEQ "OUT"
27 "PROMPT TO THE T"
28 "HONES LIKE"
29 XEQ "OUT"
30 "THE ONES IN THE"
31 *F DISPLAY.*
32 XEQ "OUT"
33 ADV
34 CF 21
35 "GOOD MORNING"
36 AVIEW
37 BEEP
38 PSE
39 PSE
40 PSE
41 "WIFES BIRTHDAY"
42 AVIEW
43 BEEP
44 "MEETING WITH BO"
45 "FSS"
46 AVIEW
47 BEEP
48 ADV
49 "LABEL ALARMS AL"
50 "HLOW THE"
```

51 XEQ *OUT*

```
52 *HP-41 TO RUN "
 53 "HA SELECTED"
 54 XEQ "OUT"
 55 *PROGRAM AT A *
 56 "HPRESET"
 57 XEQ "OUT"
 58 "TIME."
 59 XEQ "OUT"
 60 ADV
 61 "THE HP-41 WILL "
 62 "FNOW SET"
 63 XEQ "OUT"
 64 "AN ALARM, TURN "
 65 "HITSELF"
 66 XEQ *OUT*
 67 "OFF, AND START "
 68 *FRUNNING*
 69 XEQ "OUT"
 70 "AGAIN IN 10 "
 71 "HSECONDS"
 72 XEQ "OUT"
 73 "WHEN THE ALARM "
 74 "HGOES OFF."
 75 XEQ "OUT"
 76 ADV
 77 ADV
 78 ADV
 79 PSE
 80 PSE
 81 "WATCH THE DISPL"
 82 "FRY."
 83 XEQ "OUT"
84 BEEP
 85 "IM TURNING OFF"
 86 CF 21
 87 AVIEW
 88 CLX
 89 ENTERT
 90 ENTERT
 91 ENTERT
 92 "ffALM"
 93 TIME
 94 .0010
 95 HMS+
 96 XYZALM
 97 OFF
98+LBL "ALM"
99 "I AM BACK"
100 CF 21
101 AVIEW
102 BEEP
103 PSE
104 GTO "RTN"
105 .END.
```

31 Regs P. 7/1 XFUNC

> 01+LBL "XFUNC" **92** 1 **03 SELECT 04** CF 21 05 "SEE PRINTER" **06 AVIEN** 97 SF 21 08 * ENTER YOUR* 09 XEQ 01 10 " NAME AND" 11 XEQ 01 12 * PRESS R/S.* 13 XEQ 01 14 AON 15 STOP 16 AOFF 17 XEQ "ST" 18 " YOUR HAME" 19 XEQ 01 20 RCL 01 21 4 22 X#Y? 23 GTO 04 24 " IS A* 25 XEQ 01 26 * 4 LETTER" 27 XEQ 01 28 " WORD." 29 XEQ 01 36 GTO 85 31+LBL 04 32 " HAS" 33 XEQ 01 34 RCL 01 35 FIX 0 36 CF 29 37 • • 38 ARCL X 39 "H LETERS." 40 XEQ 01 41+LBL 05 42 GTO "NMER" 43+LBL "ST" 44 CF 22 45 ANUM 46 FC? 22 47 GTO 06 48+LBL 10 49 - THATS NOT-50 XEQ 01 51 " A NAME" 52 XEQ 01 53 PSE 54 " TRY AGAIN" 55 XE9 01 56 AON

57 STOP

58 AOFF 59 GTO "ST" 60+LBL 06 61 ALENG 62 STO 01 63 1 64 + 65 1000 66 / 67.2 68 + 69 STO 00 70+LBL 03 71 ATOX 72 STO IND 00 73 65 74 X>Y? 75 GTO 10 76 RDN 77 91 78 X<=Y? 79 GTO 10 80 ISG 90 81 GTO 63 82 RTN 83+LBL "NMEA" 84 * BACKWARDS,* 85 XEQ 01 86 " YOU ARE" 87 XEQ 01 88 XEQ "BA" 89 ASTO 30 90 XEQ 01 91 PSE 92 " SCRAMBLED," 93 XEQ 01 94 * YOU ARE* 95 XEQ 01 96 XEQ "SC" 97 RCL 30 98 ENTERT 99 ASTO X 100 X≠Y? 101 GTO 12 102 1 103 AROT 104+LBL 12 105 XEQ 01 106 PSE 107 - A SONG-108 XEQ 01 109 · BASED ON" 110 XEQ 01 111 "YOUR NAME IS:" 112 XEQ 01 113 1 114 SIN 115 XEQ "MU" 116 " WAIT" 117 AVIEW 118 SF 29 119 "SN"

120 READP

121+LBL "SC" 122 CLA 123 RCL 01 124 1.001 125 + 126 STO 00 127+LBL 87 128 RCL IND 00 129 ENTERT 138 ENTERT 131 2 132 MOD 133 X=0? 134 GTO 08 135 AROT 136+LBL 08 137 RDN 138 XTOA 139 DSE 00 149 GTO 97 141 RTN 142+LBL "BA" 143 CLA 144 RCL 00 145 INT 146 1 147 -148 .001 149 + 150 STO 00 151+LBL 82 152 RCL IND 00 153 XTOA 154 DSE 00 155 GTO 02 156 RTN 157+LBL "MU" 158 RCL 01 159 1 169 + 161 1000 162 / 163 2 164 + 165 STO 00 166+LBL 11 167 RCL IND 00 168 10 169 / 170 FRC 171 19 172 * 173 TONE IND X 174 ISG 00 175 GTO 11 176 RTN 177 RTN 178+LBL 01 179 AVIEW 189 38 181 FACT 182 RTN 183 .END.

01+LBL "SN"		63+LBL 08		125+LBL 06						
02 FIX 8		64 * BAD CHOICE*		126 • PRESS THE						
03 2.014		65 XEQ 01	1	127 XEQ 01						
04 STO 00	-	66 PSE	İ	128 CLA						
85 "ENTER"		67 GTO 02	-	129 ARCL IND 00						
		68+LBL 03		130 °F KEY"						
96 ASTO 92	t	69 RDN		131 1						
97 "R/S"	;	70 STO 01		132 ST+ 00						
08 ASTO 04				133 AVIEW						
09 "ON"		71 "SIN"		134 40						
10 ASTO 06		72 PASN		135 FACT						
11 "GOLD"	1	73 " ITS DONE"		136 CLD						
12 ASTO 08		74 XEQ 01		137 GETKEY						
13 "R"		75 "TO TRY IT"	÷	138 RCL IND 00						
14 ASTO 10		76 XEQ 01		139 X=Y?						
15 "ASN"		77 "PRESS AND"		140 GTO 05						
16 ASTO 12		78 XEQ 01								
17 "PI"		79 "HOLD THE KEY"		141 - MRONG-	;					
18 ASTO 14		80 XEQ 01		142 AVIEW	1					
19 41		81 PSE		143 1						
20 STO 03	!	82 SF 27		144 ST+ 01						
21 84		83 " PRESS R/S"		145 TONE 0						
22 STO 05	i	84 XEQ 01		146 GTO 07						
23 1	į	85 • TO RESUME"		147+LBL 01	•					
24 STO 07		86 XEQ 01		148 AVIEW						
25 31		87 38	1	149 45						
26 STO 09		88 FIX 3		150 FACT						
27 52		89 CLD	f :	151 RTN						
28 STO 11		98 STOP		152+LBL 05						
29 32		91 * WAIT*		153 - RIGHT-						
		92 AVIEW		154 AVIEW	•					
30 STO 13		93 FIX 0	į	155 TONE 8						
31 82		94 RCL 01		156+LBL 07						
32 STO 15		95 CLA		157 ISG 00 '						
33+LBL 02		96 PASN	!	158 GTO 06						
34 " PRESS THE"	· :	97+LBL 04		159 7						
35 XEQ 01				160 RCL 01						
36 - KEY"		98 "NEW FEATURE"	1	161 -	÷					
37 XEQ 01		99 XEQ 01		162 STO 01						
38 - THAT YOU"	•	100 - ALLOWS		163 5	1					
39 XEQ 01		101 XEQ 61		164 X>Y?	•					
40 - WANT THE-		102 " KEY CODE"		165 GTO 09						
41 XEQ 01	1	103 XEQ 01		166 - VERY GOOD"						
42 "SIN FUNCTION"	İ	104 " RETRIEVAL"								
43 XEQ 01	-	105 XEQ 01		167 XEQ 01						
44 PSE		106 PSE	:	168 PSE	į					
45 "ASSIGNED TO"	ļ	107 "LETS PLAY"	•	169 GTO 10						
46 AVIEW	1	108 XEQ 01		170+LBL 09	1					
47 ADV		109 "A GAME ON"		171 " NICE TRY"						
48 GETKEY	:	110 XEQ 01		172 XEQ 91						
49 CLD	`	111 "THE HP-41"		173 PSE						
50 X=0?		112 XEQ 01		174+LBL 10						
51 GTO 02	į	113 "KEYBOARD"		175 ° YOU MADE°	(
52 31		114 XEQ 01	'	176 XEQ 01	188+LBL 91					
53 X=Y?		115 "WATCH THE"		177 PSE	189 AVIEW					
54 GTO 08		116 XEQ 01		178 CF 29	199 45					
55 CLX		117 "DISPLAY"	.*	179 * *	191 FACT					
56 84		118 AVIEW		180 ARCL 01	192 RTN					
57 X=Y?		119 PSE	i	181 "F" OF 7"	193+LBL "R					
58 GTO 08		120 TONE 9		182 XEQ 01	194 "SN"					
		121 TONE 9		183 PSE	195 READP					
59 CLX	1 .0	122 TONE 9		184 SF 29	196 .END.					
60 11	, L	123 0		185 " END DEMO"	170 .CMD.					
61 XX=Y?		124 STO 01	•	186 AVIEW						
62 GTO 03	. 1	154 910 01	1	187 GTO "EE"	المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة ا المراجعة المراجعة					

01+LBL "CASSET" 02 1 **03 SELECT 04** CF 21 05 "SEE PRINTER" **06 AVIEW** 07 SF 21 08 "THE CASSETTE DR" 09 "HIVE" 10 XEQ "OUT" 11 "HANDLES HIGH QU" 12 "HALITY" 13 XEQ "OUT" 14 "MINI DATA CARTR" 15 "HIDGES" 16 XEQ "OUT" 17 "THAT CAN STORE " 18 "HUP TO" 19 XEQ "OUT" 20 "128K BYTES O" 21 "HF INFOR" 22 XEQ "OUT" 23 "MATION" 24 XEQ "OUT" 25 ADV 26 "IT HAS A FILE B" 27 "HY NAME" 28 XEQ "OUT" 29 "DIRECTORY" 30 XEQ "OUT" 31 ADV 32 DIR 33 ADV 34 "YOU CAN STORE A" .35 "HND READ:" 36 XEQ "OUT" 37 "-PROGRAMS" 38 XEQ "OUT" 39 "-DATA" 40 XEQ "OUT"

41 "-KEY ASSIGNMENT"

44 *-CALCULATOR STA*

47 *-COMPLETE CALCU"

42 "FS"

45 "FTUS"

43 XEQ "OUT"

46 XEQ *OUT*

48 "FLATOR"

49 XEQ "OUT"

50 - CONTENT"

51 XEQ "OUT"

52 ADV

53 "YOU HAVE ALSO A" 54 "HYAILABLE" 55 XEQ "OUT" 56 "FOR YOUR CONVEN" 57 "FIENCE:" 58 XEQ "OUT" 59 "-SECURE/UNSECUR" 60 "FE" 61 XEQ "OUT" 62 "-RENAME" 63 XEQ "OUT" 64 "-PURGE" 65 XEQ "OUT" 66 "-AUTOMATIC EXEC" 67 "HUTION" 68 XEQ "OUT" 69 "-VERIFY" 70 XEQ *OUT* 71 BEEP 72 RTN 73 .END.

DMM 78 Regs.

02 CF 21
03 "WATCH DMM"
04 AVIEW
05 "D2HI, IM THE"
06 XEQ 02
07 "D2HP 3468A"
08 XEQ 02
09 "D2MULTIMETER."
10 XEQ 02
11 "B2I CAN"
12 XEQ 02
13 "D2MEASURE"
14 XEQ 02
15 "D2DC VOLTS,"
16 XEQ 02

01+LBL "SELL"

17 "D2RMS AC VOLTS," 18 XEQ 02 19 "D22 AND 4 WIRE" 20 XEQ 02 21 "D20HMS," 22 XEQ 02 23 "D2DC CURRENT," 24 XEQ 02 25 "D2AND RMS AC" 26 XEQ 02 27 "D2 CURRENT." 28 XEQ 02 29 "D2RESOLUTION -" 30 XEQ 02 31 "D23 1/2 TO" 32 XEQ 02 33 *B25 1/2 BIGITS, * 34 XEQ 02 35 "D2AND I HAVE" 36 XEQ 02 37 "D2THE NEW HPIL" 38 XEQ 02 39 "DŹBUILT IN." 40 XEQ 02 41 XEQ 01 42 XEQ 01 43 XEQ 01 44 "D2END DEMO" 45 XEQ 02 46 "END DEMO" 47 AVIEW 48 SF 21 49 "D1" 50 OUTA 51 LOCAL **52 RTN** 53+LBL 01 54 "D2BUY ME NOW" 55 BEEP 56 XEQ 02 57 "D2 " 58 OUTA **59 RTN** 60+LBL 02 61 OUTA 62 "WATCH DMM" 63 AVIEW 64 RTN 65+LBL "DMM" 66 AUTOIO 67 CF 17 68 "HP3468A" 69 FINDID 70 X=0? 71 GTO 37 72 SELECT 73 REMOTE 74 GTO "SELL" 75+LBL 37 76 BEEP 77 "NO HP3468A" 78 "H IN LOOP" 79 ADV 80 XEQ "OUT" 81 ADV **82 RTN** 83 .END.

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(19)

	52 XTOA	1
	53 177	109 "1. HP-IL COMPAT"
	54 XTOA	110 "HIBLE"
	55 182	111 OUTA
	56 XTOA	112 CLA
81.181 -117828-		113 °2. 32 CHARACTER°
01+LBL "VIDEO"	57 179	114 "H LINES"
02 SF 21	58 XTOA	115 OUTA
03 CF 21	59 193	116 "3. 16 LINE DISP"
04 "SEE VIDEO DSP"	60 XTOA	
05 AVIEW	61 OUTA	117 SF 17
96 1	62 CLA	118 OUTA
07 SELECT	63 ARCL 13	119 "LAY, 31 LINE"
08 SF 17	64 10	120 CF 17
00 St 11	65 XTOA	121 OUTA
	66 6	122 " MEMORY"
16 27		123 OUTA
11 XTOA	67 XTOA	124 "4. FULL CURSOR "
12 *FE*	68 214	125 "HCONTROL"
13 OUTA	69 XTOA	
14 XEQ "COFF"	70 233	126 OUTA
15 CLA	71 XTOA	127 "5. "
16 XTOA	72 228	128 201
17 "14"	73 XTOA	129 XTOR
18 ASTO 13	74 229	130 206
	75 XTOA	131 XTOA
19 10		132 214
20 XTOA	76 239	133 XTOA
21 1	77 XTOA	134 197
22 XTOA	78 160	135 XTOA
23 OUTA	79 XTOA	i .
24 "**INTRODUCING**"	80 201	136 210
25 OUTA	81 XTOA	137 XTOA
26 CLA	82 238	138 211
27 ARCL 13	83 XTOA	139 XTOA
28 16	84 244	140 197
29 XTOA	85 XTOA	141 XTOA
	86 229	142 160
30 3		143 XTOA
31 XTOA	87 XTOA	144 214
32 116	88 242	145 XTOR
33 XTOA	89 XTOA	146 201
34 104	90 230	The state of the s
35 XTOA	91 XTOA	147 XTOA
36 101	92 225	148 196
37 XTOA	93 XTOA	149 XTOA
38 ARCL 13	94 227	150 197
39 13	95 XTOA	151 XTOA
	96 229	152 207
40 XTOA		153 XTOA
41 5	97 XTOA	154 OUTA
42 XTOA	98 OUTA	155 -6. 95 DISPLAYAB-
43 200	99 CLA	156 SF 17
44 XTOA	100 13	
45 202	101 XTOA	157 OUTA
46 XTOA	102 10	158 "LE CHARACTERS"
47 160	103 XTOA	159 OUTA
48 XTOA	104 OUTA	160 CLA
	105 OUTA	161 27
49 184		162 XTOA
50 XTOR	106 CF 17	163 "<"
51 178	107 *KEY FEATURES: "	164 CF 17
	198 OUTA	
		165 OUTA

```
166 PSE
167 PSE
168 PSE
169+LBL "CBA"
170 SF 17
171 XEQ "CD"
172 XEQ "COFF"
173 XEQ "CC"
174 CLA
175 27
176 XTOA
177 "F%"
178 ASTO 03
179 CLA
180 7
181 XTOA
182 ASTO 84
183 22.012
184 CLA
185 ARCL 04
186 "HH "
187 ASTO 02
 188 XEQ 01
 189 22.013
 190 CLA
 191 ARCL 04
192 "HP "
 193 ASTO 02
 194 XEQ 01
 195 22.014
 196 CLA
 197 ARCL 04
 198 "-- "
 199 ASTO 02
 200 XEQ 01
 201 22.015
 202 CLA
 203 ARCL 04
 204 "FI "
 205 ASTO 02
 206 XEQ 01
 207 22.016
 208 CLA
  209 ARCL 04
  210 "HL "
  211 ASTO 02
  212 XEQ 01
  213 4
  214 1
  215 XEQ "XY"
           H PPPP
  216 °H
           III L
  217 °F
  218 OUTA
/ 219 5
  229 1
  221 XEQ "XY"
  222 SF 01
  223 6
```

224 1

```
225+LBL F
226 FC? 01
227 XEQ "XY"
228 °H H P
229 °F
          Ι
230 OUTA
231 FS?C 01
232 GTO F
233 7
234 1
235 XEQ "XY"
236 *HHHHH PPPP ===*
237 "F= I L"
238 OUTA
239 8
240 1
241 XEQ "XY"
242 SF 01
243 9
244 1
245+LBL G
246 FC? 01
247 XEQ "XY"
248 "H H P
249 "F
        I L.
250 OUTA
251 FS?C 01
252 GTO G .
253 10
254 1
255 XEQ "XY"
256 *H H P
257 "F III L"
258 OUTA
259 "LLLL"
260 OUTA
261 14
262 1
263 XEQ "XY"
264 "END DEMO"
265 SF 21
266 AVIEW
267 CF 17
268 RTN
269+LBL 01
270 CLA
271 ARCL 03
272 XTOR
273 ARCL 02
274 OUTA
275 DSE X
276 GTO 01
277 RTN
278+LBL "CD"
279 CLA
 289 27
 281 XTOA
 282 "FE"
 283 OUTA
 284 RTN
```

285+LBL *COFF* 286 CLA 287 27 288 XTOA 289 "H(" 290 OUTA 291 RTN 292+LBL "XY" 293 CLA 294 27 295 XTQA 296 "FX" 297 RDN 298 XTOA 299 X<>Y **300 XTOA 301 OUTA** 302 RTN 303+LBL "CC" 304 CLA 305 27 **306 XTOA** 307 "FJ" **308 OUTA** 309 ASTO 01 310 RTN 311 .END.

BCDEPR Page 1/1 69 Regs (i.e. Barcode printing) 47 "A PRIM! 48 OUTA 49 "E IMPLE 50 OUTO

WAIT 01+LBL "BCDEPR" 02 " WAIT" 03 AVIEW 94 SF 21 05 XEQ 15 06 1 **07 SELECT** .08 "HP 82162A PRINT" 09 "HER ADDRESS?" 10 SF 16 11 PROMPT 12 SELECT 13 "WATCH PRINTER" 14 CF 21 15 CF 16 16 AVIEW 17 SF 21 18 ADV 19 ADV 20 "BAR CODE PRINTI" 21 "FNG*" 22 PRA 23 ADV 24 FIX 2 25 82162 26 CLA 27 ARCL X 28 PRA 29 CLA 30 ARCL 10 31 XEQ 01 32 OUTA 33 XEQ 01 34 CLA 35 ADV 36 ADV 37 ARCL 08 38 SF 17 39 OUTA 40 **THIS FUNCTION * 41 OUTA

42 "SUPPORTED BY "

44 "THE HP-41 PLOTT"

45 "HER ROM. "

43 OUTA

46 OUTA

47 *A PRI	MITTU-
48 OUTA	111114
49 "E IMP	LEMENTATIO"
50 OUTA	
	AVAILABLE •
52 OUTA	
	USER LIBRA"
54 OUTA	OCDON .
55 "RY PR 56 OUTA	UGKHM."
57 PRBUF	• •
58 XEQ 01	
59 CLA	
60 ARCL 0)
61 OUTA	
62 CF 17	
63 ADV	
64 ADV	
65 ADV	
66 ADV 67 "E nd de	:Mn =
68 CF 21	
69 AVIEW	
70 SF 21	
71 RTN	
72+LBL 01	
73 PSE 74 PSE	
74 PSE 75 RTN	
76+LBL 15	
77 CLA	
78 CLST	
79 1	
80 BLDSPEC	
81 82	
82 BLDSPEC	
-83 ARCL X 84 CLST	
85 1	
86 BLDSPEC	
87 3	
88 BLDSPEC	
89 ARCL X	
90 CLST	71
91 1	
92 BLDSPEC	
93 107 94 BLDSPEC	
95 ARCL X	•
96 CLST	
97 104	
98 BLDSPEC	, .
99 ARCL X	
100 CLST	
101 33	
102 BLDSPEC	
103 ARCL X	
IMB III	•

104 CLST 105 98

```
106 BLDSPEC
107 ARCL X
108 ASTO 10
109 CLA
110 CLST
111 i
112 BLDSPEC
113 124
114 BLDSPEC
115 ARCL X
116 CLST
117 27
118 BLDSPEC
119 ARCL X
120 CLST
121 38
122 BLDSPEC
123 ARCL X
124 CLST
125 107
126 BLDSPEC
127 ARCL X
128 CLST
129 49
130 BLDSPEC
131 ARCL X
132 CLST
133 72
134 BLDSPEC
135 ARCL X
136 ASTO 08
137 CLST
138 CLA
139 1
140 BLDSPEC
141 124
142 BLDSPEC
143 ARCL X
144 CLST
145 27
146 BLBSPEC
147 ARCL X
148 CLST
149 38
150 BLDSPEC
151 ARCL X
152 CLST
153 107
154 BLDSPEC
155 ARCL X
156 CLST
157 48
 158 BLDSPEC
159 ARCL X
 160 CLST
 161 72 "
 162 BLDSPEC
 163 ARCL X
 164 ASTO 99
 165 RTN
 166 .END.
```

```
01+LBL "PRNT80"
02 "HP82905B"
03 FINDID
04 SELECT
05 SF 17
86 CLA
97 27
98 XTOA
09 38
10 XTOA
11 ASTO 01
12 197
13 XTOA
14 "F1S"
15 OUTA
16 150
17 SKPCOL
18 SKPCOL
19 SKPCOL
20 SKPCOL
21 SKPCOL
22 "HP PRODUCTS"
23 PRA
24 CLA
25 ARCL 01
26 107
27 XTOA
28 "F0S"
29 OUTA
30 ADV
31 ADV
32 "DESCRIPTION
33 OUTA
34 *
35 OUTA
36 -MODEL
37 OUTA
 38 "LIST PRICE"
 39 PRA
 48 ADV
 41 *HP-IL INTERFACE"
 42 OUTA
 43 " MODULE
 44 OUTA
 45 "HP 82160A
 46 OUTA
 47 - 125.80"
 48 PRA
 49 "DIGITAL CASSETT"
 50 OUTA
 51 "E DRIVE
 52 OUTA
```

```
53 "HP 82161A
54 OUTA
55 " 550.00"
56 PRA
57 "THERMAL PRINTER"
58 OUTA
59 *
60 OUTA
61 "HP 82162A
62 OUTA
63 " 495.00"
64 PRA
65 "VIDEO INTERFACE"
66 OUTA
67 "
68 OUTA
69 "HP 82163A
70 OUTA
71 * 295.00*
72 PRA
73 "80 COLUMN PRINT"
74 OUTA
75 *ER
76 OUTA
77 "HP 829058
78 OUTA
79 - 795.00"
80 PRA
81 CLA
82 12
83 XTOA
84 OUTA
85 CF 17
86 1
87 SELECT
88 RTN
89 .END.
```

PLTR (116 Rego) Page 1/2 (i.e. Plotter)

rage 1/16 (i.e. Plotter)		•	
0 ,	54 5		117 CLX
	55 XROM 17,36		118 LASTX
	56 XROM 17,38		119 CLX
f	57 65		
	58 ENTER†		120 LRSTX
	59 55		121 XROM 17,26
	60 ENTERT	•	122 ISG X
·	61 95		123 GTO 06
· i	62 XROM 17,15	!	124 1.5
ALLIN ON TO	63 XRON 17,06		125 ENTERT
.01*LBL "PLTR"		i.	126 CLX
02 SF 25	64 RDN	1	127 XROM 17,21
03 XROM 17,25	65 RDN		128 4
04 FS?C 25	66 5		129 XROM 17,02
05 GTO 00	67 ENTERT		139 5
06 "NO PLOTTER"	68 45		131 XROM 17,16
07 CF 21	69 XROM 17,15		132 "(SIN X)/X"
08 AVIEW	70 XROM 17,06		133 XROM 17,11
09 BEEP	71 15		
10 PSE	72 ENTER†		134 1
11 PSE	73 55		135 XROM 17,22
12 RTN	74 ENTERT		136 75
13+LBL 00	75 15		137 ENTER+
14 4	76 ENTER†		138 135
15 XROM 17,02	77 35		139 ENTERT
16 90	78 XROM 17,15		149 55
17 ENTER†	79 -360		141 ENTERT
18 10	80 ENTER†		142 95
19 XROM 17,21	81 CHS		143 XROM 17,15
20 "INTRODUCING THE"	82 ENTERT		144 XROM 17,06
21 SF 17	83 -1		145 2
·	84 ENTER†		146 XRON 17,22
22 XROM 17,11			147 -50
23 CF 17	85 CHS	-	148 ENTERT
24 " NEW HP-41"	86 XROM 17,30		149 150
25 XROM 17,11	87 FIX 0		150 ENTER†
26 86	88 CF 29		151 -25
27 ENTER†	89 2.5		152 ENTERT
28 10	90 XROM 17,02		153 110
29 XROM 17,21	91 360		154 XROM 17,30
30 "PLOTTER MODULE."	92 ENTERT		155 20
31 "H NOW YOU"	93 CHS		156 ENTERT
32 XROM 17,11	94 ENTERT		157 CLX
33 "AND YOUR HP-41 "	95 -180		158 XROM 17,21
34 SF 17	96 ENTERT		159 100
35 XROM 17,11	97 CLX		160 X()Y
36 CF 17	98 XROM 17,19		161 XROM 17,05
37 "CAN CREATE"	99 FIX I		162 X<>Y
38 XROM 17,11	100 1		
38 XROM 17,11 39 78 40 ENTER† 41 10 42 XROM 17,21	101 ENTERT		164 XRON 17,05
40 ENTERT	102 CHS		
41 19	103 ENTER†		165 0
41 10 42 XROM 17,21	104 CHS		166 X()Y
42 XROM 17,21 43 "LINE GRAPHS,DRA" 44 "HWINGS,BAR" 45 XROM 17,11	105 ENTERT		167 XRON 17,05
44 "HWINGS,BAR"	106 CLX	1	168 CLX
45 XROM 17,11	107 XROM 17,20		169 30
45 XROM 17,11 46 "CODE, TEXT" 47 XROM 17,11	108 2		170 XROM 17,05
47 XROM 17,11	109 XROM 17,22		171 -15
48 XROM 17,06	110 DEC .		172 X()Y
49 CLST	111 -360.36020 112+LBL 06	1	173 XROM 17,05
50 10	112+181 A6		174 15
51 R†	113 SIN	İ	175 ENTER†
52 10	113 SIN 114 LASTX	İ	176 0
53 XROM 17,30	114 EHSIA 115 D-R	· i	177 XROM 17,05
Jo ARUH 11100	116 ST/ Y	1	178 45
1	170 Al. 1	•	T

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237 "-41 "
179 ENTERT
                                               238 XROM 17,11
189 30
                                               239 XROM 18,13
181 XROM 17,05
                                               240 XROM 18,11
182 30
183 XROM 17,05
                                               241 1
                                               242 ENTERT
184 70
                                               243 6
185 XROM 17,05
                                               244 XROM 17,21
186 79
                                               245 "BAR "
187 XROM 17,05
                                               246 XROM 17,11
188 30
                                               247 XROM 18,13
189 XROM 17,05
                                               248 XROM 18,11
190 50
                                               249 1
191 X<>Y
                                               250 ENTERT
192 XROM 17,05
                                               251 8
193 20
                                               252 XROM 17,21
194 ENTERT
                                               253 "CODE"
195 0
                                               254 XROM 17,11
196 XROM 17,05
                                               255 XROM 18,13
197 80
                                               256 XROM 18,11
198 ENTERT
                                               257 XROM 17,31
199 50
200 XROM 17,21
                                               258 74
                                               259 ENTER*
201 5
                                               269 41
202 XROM 17,02
                                               261 XROM 17,21
203 1
                                               262 15
204 XROM 17,22
                                               263 ENTERT
205 "HP-IL"
                                               264 .6
206 XROM 17,11
                                               265 ENTERT
207 75
                                               266 4
208 ENTERT
                                               267 XROM 17,03
209 135
                                               268 CLX
210 ENTERT
                                               269 XRON 17,12
211 5
                                               270 CLA
212 ENTERT
                                               271 "AND MORE."
213 45
                                               272 XROM 17,11
214 XROM 17,15
                                                273 2
215 CLST
                                               274 XROM 17,22
216 10
                                                275 68
217 STO Z
                                                276 ENTERT
218 XROM 17,30
                                                277 30
219 XROM 17,86
                                                278 XROM 17,21
220 98
                                                279 15
221 XROM 17,12
                                                280 ENTERT
222 1
                                                281 .6
223 XROM 17,16
                                                282 ENTERT
224 ENTER1
225 2
                                                283 5
                                                284 XROM 17,03
226 XROM 17,21
                                                285 CLX
227 3
                                                286 "* EASILY"
228 XROM 17,02
                                                287 XROM 17,11
229 "HP"
                                                288 ** QUICKLY*
230 XROM 17,11
231 XROM 18,12
                                                289 XROM 17,11
                                                290 "* INEXPENSIVELY"
232 XROM 18,11
                                                291 XROM 17,11
233 1
234 ENTERT
                                                292 CLX
                                                293 XROM 17,22
235 4
236 XROM 17,21
                                                294 ENTERt "
                                                295 XROM 17,21
                                                296 XROM 18,01
```

297 .END.

01+LBL "GPIOX" 02 "THE HP82165A AN" 03 "FD THE" 64 XEQ *OUT* 05 *HP82166A GPIO I* 06 "INTERFACES" 07 XEQ "OUT" 08 "CAN BE CONFIGUR" 89 "HED UNDER" 10 XEQ "OUT" 11 "SOFTWARE CONTRO" 12 "HL" 13 XEQ "OUT" 14 "TO ONE OF SEVER" 15 "HAL " 16 XEQ -OUT-17 "CONFIGURATIONS:" 180KEQ "OUT" · 19 ADV 20 *-TWO 8 BIT* 21 XEQ "OUT" 22 * BI/UNIDIRECTIO* 23 "HNAL PORTS" 24 XEQ "OUT" 25 "-OHE 16 BIT" 26 XEQ "OUT" 27 BI/UNIDIRECTIO" 28 "HNAL PORT" 29 XEQ "OUT" 30 ADV 31 HANDSHAKES INCL. 32 -HUDE: 33 XEQ *0UT* 34 "-FULL" 35 XEQ "OUT" 36 "-VALID/ACCEPTED" 37 XEQ "OUT" 38 "-READY/VALID" 39 XEQ "OUT" 40 "-STROBED OUTPUT" 41 XEQ "OUT" 42 ADV 43 ADV 44 "EACH GPIO INTER" 45 "HFACE " 46 XEQ "OUT" 47 "INCORPORATES ON" 48 "HE" 49 XEQ "OUT"

50 *32 BYTE FIFO BU* 51 *+FFER FOR*

52 XEQ "OUT" 53 "INCREASED THROU" 54 "HGHPUT" 55 XEQ "OUT" 56 ADV 57 ADV 58 "APPLICATIONS: " 59 XEQ *OUT* 60 ADV .61 "-THE 82165A CAN" 62 "F CONNECT" 63 XEQ "OUT" 64 "TO MANY PERSONA" 65 "HL" 66 XEQ "OUT" 67 -COMPUTERS OVER -68 "HTHEIR" 69 XEQ "OUT" 70 "PARALLEL PRINTE" 71 "FR" 72 XEQ *0UT* 73 "INTERFACE THUS " 74 *FGIVING* 75 XEQ "OUT" 76 -YOUR MACHINE HP* 77 "FIL" 78 XEQ "OUT" 79 "CAPABILITY." 80 XEQ "OUT" 81 " ALSO, IT CAN" 82 "F BE" 83 XEQ "OUT" 84 -CONNECTED TO NO-85 "FST" 86 XEQ "OUT" 87 *PRINTERS AVAILA* 88 "FBLE" 89 XEQ "OUT" 90 "ALLOWING YOUR-S" 91 "FTANDARD" 92 XEQ "OUT" 93 "SIZED PRINTER T" 94 "HHAT YOU" 95 XEQ *OUT* 96 "MAY ALREADY OWN" 97 "F TO DO" 98 XEQ "OUT" 99 "YOUR PRINTING." .199 XEQ "OUT" 101 ADV 102 "-THE 82166A IS " · 103 "HMEANT FOR" 104 XEQ "OUT"

195 "OEM CUSTOMERS N-106 "FHO WISH" 107 XEQ -OUT-108 "TO DESIGN HPIL -109 XEQ -OUT-110 "CAPABILITIES IN" 111 "-TO THEIR " 112 XEQ "OUT" 113 "PRODUCTS WITH M" 114 "FINIMAL" 115 XEQ -OUT-116 "DEVELOPEMENT CO" 117 "FSTS AND" 118 XEQ "OUT" 119 "HP SUPPORT." 120 XEQ -OUT-121 ADV 122 ADV 123 ADV 124 ADV 125 "END DEMO" 126 XEQ "OUT" 127 XEQ "RTN" 128 .END.